e-ISSN : 2620 3502
p-ISSN : 2615 3785

Using the system "Virtual Psychologist" in determining the psychological and pedagogical readiness of students for professional education

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ABSTRACT

This article is devoted to the development of testing methods that allow to diagnose the psychological predisposition of students to religious and scientific views. The aim of the work is to develop a convenient and effective software tool that allows you to determine and psycho-diagnose the predisposition of young people, especially students, to follow various misguided religious movements.

Keywords: engineering psychology, psychological testing, psychological diagnostics, psychological tests, virtual portrait, virtual psychologist, psychological prevention and technical logic.

1. INTRODUCTION

There is no doubt that it is impossible for a student to assess the quality of teaching in the modern system of education, that is, without having diagnosed his condition, effectively managing the process and achieving a specific goal in education. The final knowledge and skills of students can be identified using a variety of criteria and approaches in the learning process, and the use of information technology in these processes can be monitored for their compliance with the didactic requirements. The pedagogical diagnosis includes determining the extent to which students' knowledge, skills and abilities are formed, monitoring, evaluating, collecting and analyzing statistical data, and predicting further development.

In the learning process, diagnostic tests are important as they help select the most effective methodology. In controlling knowledge, its predictive function is to obtain information about the educational process and its future, that is, its predictable status. It allows you to check whether the specific knowledge, skills and abilities of a specific piece of learning material are sufficiently formed or not formed at each stage of the learning process. The results achieved by a specific scientific prediction will be used to create a model for future student activities. Such forecasts help greatly to draw conclusions for future planning and implementation [4].

Methods of psychology such as testing and analytical diagnostics can be helpful in this work.

In the process of analyzing the results of an activity, the activity associated with producing that result is psychological rather than the outcome itself. This method is widely used in student psychology. By examining the activities of students, they receive information on their psychology and development.

In the age of advancing computer science and information technology, two opposing areas, such as psychology and information, seem to be at odds with each other in order to improve the efficiency, efficiency and convenience of psychological testing and diagnostics. working together and complementing each other. After all, just as there is technical psychology, psychology has its own technique. To be more precise, today's various advanced psychological devices, software programs for various psychological tests, diagnostics, and other psychological processes and events analysis are now available with a wide range of advanced software tools and extensive capabilities. as well as technical hardware.

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To summarize the above, the Department of Modern Information and Communication Technologies of the International Islamic Academy of Uzbekistan has developed a program for psychological diagnosis "Psychological Diagnostics of Students' Resistance to Religious Science" (for example, psychological diagnostic testing program). This program, unlike simple diagnostic programs, is a diagnostic system that defines the direction of students' spiritual, educational and religious inclinations, and is capable of diagnosing and directing them.

The program included a set of psychological tests as a database, and the degree to which the student's consciousness developed and the extent, level of knowledge and knowledge of the student's knowledge based on the nature of the answers, which was the result of the student's testing. whether it is (conscious) or wrong (unconscious), its tendency to erroneous currents, its deviation, and its extremist and terrorist nature. n ideas are or are not sure about the diagnosis (diagnoses), and that the student's physical, mental and spiritual formation of a virtual portrait of the top three, according to the results achieved, student counseling system "virtual psychologist".

The main goals and objectives of the software system are:

a) Study of the individual (individual) psychological characteristics of the subjects of the educational process;
b) Observing the development of students' social maturity and professional qualities;
c) determination of psychological and pedagogical readiness of students to vocational education;
d) to identify the psychological causes of intellectual and physical development of students;
e) to determine students' professional abilities, skills, abilities and attitudes;
f) Determining the social role of students and their place in the group and so on.

After the psychological diagnosis phase, the psychological prevention process is carried out, which includes:

Shaxsiy -Providing personal development of the student with the individuality of the psychologist, in collaboration with the team leader, medical staff and responsible professionals;

Aniqlash -Identifying the causes of deviation (negative deviations) and preventing such behavior;

Aniqlash - Identifying and preventing the causes of stress, depression, conflict, negative emotional experiences;

Psix Psychological support to students with disabilities.

Properly structured and logical programming, both software and psychology need to be perfectly connected in terms of technical logic. Testing is a standardized, often psycho-diagnostic method used to identify individual psychological differences in quantitative and qualitative types, which are often limited to time points during the experiment. The purpose of the test is to understand a specific weapon that acts as an assessment of the psychological characteristics of individuals. It consists of a set of conditions (tasks) or questions designed to reveal different categories of behavior, taking into account certain standard conditions.

This psychological diagnostics test program is not only designed to diagnose the individual and peculiarities of the user's mental and emotional world, but also to conduct additional interesting tests, to help him gain knowledge in psychology, and to provide useful literature. One of the biggest advantages of the system is that it operates simultaneously for the trainee, the diagnostic mode for both the working mode and the observer. This means that the tester simply works the test by giving sincere answers, thinking that he is being tested for information about himself, as he does not receive any reminders or tests indicating his or her religious convictions. However, the observer receives sufficient data based on the results to determine his or her mental and psychological well-being, and the program automatically records them in the database [1].

Based on this, the main sections of the program include the following menus:

1.“About Program”menu;
2.“This Is Interesting”menu;
3.The Names menu;
4."Recommended" menu;
5.Search menu;
6.Start the Test menu;

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1. On the Program menu: Assistance in installing and launching the program, its purpose and rules of use. There will be information about the creators of the program.

2. In the "Interesting" menu: users come across a set of fun, humorous tests across a variety of topics that allow them to identify different aspects of their individual characteristics and behavior. Examples of such tests are temperature determination, various image and shape tests. They will be tested and diagnosed based on their results.

3. In the "Terms" menu, you will be able to get acquainted with the Uzbek translation and interpretation of more than one hundred terms and terms related to psychology.

4. The "Recommended" menu includes a small electronic library of national and foreign literature: lectures, works, textbooks that serve to enrich the mental and spiritual world of diverse students. It contains useful and interesting literature in the fields of religion, psychology, spirituality, enlightenment and other areas.

5. Search menu - it is possible to search all information contained in all databases available in our web-site program. These include: psychological terms, useful literature, types of tests, user lists by admin password, and so on.

6. The “Start Test” menu is the main menu of the program, which includes the process of diagnosing a student's religious inclination.

There is also a list of other similar programs and e-sites that reflect the goals and objectives of disclosure within our software, such as direct links to them.

By clicking the "Exit" menu, the user can end the program and leave it.

The program version is in the form of a web site, with the main window being divided into four sections: the top, the bottom, the left and the main.

The main difference between the program and other psychological programs is that the questions are not one-way and primitive. The tests themselves are divided into five stages:

Various tests are used to reveal sensitive points about a person's inner psychological state, which is present in his character and behavior. From these circumstances: his will;

I. Motivation tests (yes-no-answer) tests - determine the extent to which the testator's traits such as persistence, deviance, truthfulness or falsehood, cowardice;
II. Image (aggression) tests help determine the extent to which the aggression, which is pre-existing in the character and behavior of the testers, occurs when certain situations occur. The more aggressive a person is, the higher the inclination.
III. Logical Tests - The extent to which a person's logical thinking is developed. Acquires independent thinking, mental capacity, well-developed and developed logical thinking skills.
IV. Form or IQ tests - IQ, which is an interesting and very interesting test that informs people about the level of intellectual development, the speed of logical and mathematical thinking.

The main purpose of dividing tests into such groups is to increase the enthusiasm and enthusiasm of the testator.

The software is based on web technologies and uses JavaScript, JQuery, HTML, CSS, PHP, PhotoShop software and AJAX technologies to design user engagement, user interface, and analyze current psychological diagnostic information.

2. CONCLUSION

In summary, the above method is used for research purposes. Some psychological methods are also used for testing purposes. The goal is not to bring innovation into psychology or scientific knowledge, but to open the law. These methods are to determine whether a particular trait exists in the person under study, the degree of its development, and the extent to which it meets various standards. The software system examines a person's professional capacity, mental development, level of knowledge, and voluntary abilities. The effectiveness of the program is determined by the methodology that is based on their design, the test structure's many requirements, the conditionality and the adequacy of the requirements.

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p-ISSN : 2615 3785

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